Instructions for Using Telephone Line Tester with Wire Slitter

Introduction

The telephone line tester with wire slitter is a versatile, helpful tool when installing Modular Jacks, Telephone Wire and other Do-It-Yourself telephone products. (Figure 1.) As a testing light, it enables you to check any Modular Jack for correct wiring before plugging in your phone. As a slitter, it safely exposes color-coded wires–and measures them for use in a Modular Jack, if desired. As you run Telephone Wire, it holds and guides staples to protect the wire (and your thumb). The Telephone Line Tester with Wire Slitter also removes breakout tabs and helps guide wire placement on some types of Modular Jacks. Should the tester reveal a need to check your Modular Jack connections, remember to note the simple precautions included with Modular Jack instructions before handling telephone wiring.

If you have any questions about use of this product or its warranty, just call the AT&T National Service Center toll-free at 1-800-222-3111.

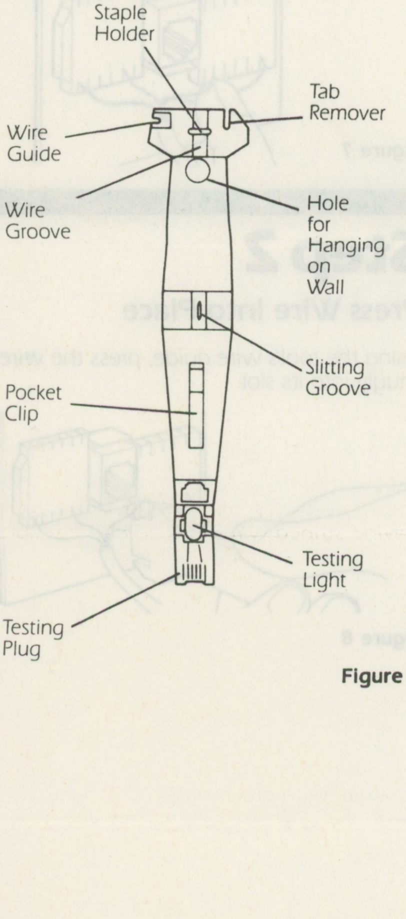

Figure 1

To Test Modular Jack Wiring

Step 1

Orient the Tool

Note that the four-sided opening in the modular jack has three straight sides and one "stepped" side. (Figure 2.) Position the Telephone Line Tester with Wire Slitter near the opening of the modular jack so the number "1" on one side of the tester bulb is facing away from the stepped side of the opening.

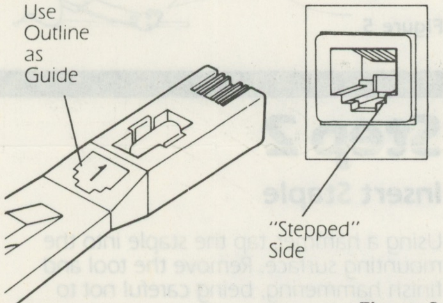

Figure 2

Step 2

Insert the Tester into the Modular Jack

Gently insert the end of the tester into the Modular Jack opening. This will test the green and red* (line 1) wire connections inside the Modular Jack. Observe the color of the bulb:

Green Light–	Green and red (line 1) wiring OK, go on to Step 3.
Red Light–	Wiring reversed (touch-tone service only). Remove the cover of the Modular Jack. Following precautions included with Modular Jack instructions, switch the red and green wire connections. Retest. When bulb shows green, go on to Step 3.
No Light–	Bad contact. Remove the cover of the Modular Jack. Following precautions included with Modular Jack instructions, check all wire connections. Retest. When bulb shows green, go on to Step 3.

Step 3

Remove, Rotate, Reinsert Tester

Remove the tester from the Modular Jack. Rotate it so the number "2" on the other side of the tester bulb is facing away from the stepped side of the opening. (Figure 3.) Gently insert the tester into the Modular Jack opening. This will test the yellow and black* (line 2) wire connections inside the Modular Jack. Observe the color of the bulb:

Green Light–	Yellow and black (line 2) wiring OK.
Red Light–	Wiring reversed (touch-tone service only). Remove the cover of the Modular Jack. Following precautions included with Modular Jack instructions, switch the yellow and black wire connections. Retest.
Yellow Light–	AC voltage on line. Usually caused by a transformer used for a phone's light or special features. A transformer probably is not necessary if your phone does not have a light or special features. Remove.
No Light–	Acceptable for one-line systems. A "no-light" indication on two-line systems shows a bad connection. Remove the cover of the Modular Jack. Following precautions included with Modular Jack instructions, check all wire connections. Retest.

*Note: When working with a Modular Jack's wiring you may find connections having striped wires instead of the solid-colored red, green, yellow and black ones described. The wires correspond as follows:

6 conductor	*4 conductor*
Blue with white band	Red
White with blue band	Green
Orange with white band	Yellow
White with orange band	Black
Green with white band	Spare
White with green band	Spare

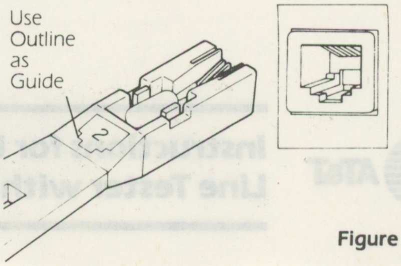

Figure 3

To Slit Telephone Wire Jacket

Step 1

Press the Wire into the Slitting Groove

Decide how much wire length you want to expose. If you want the three inches required by a modular jack, line up the end of the telephone wire jacket with the bulb end of the Telephone Line Tester with Wire Slitter. (Figure 4.) Lead the wire jacket back over the slitting groove and press the wire into the groove with your thumb.

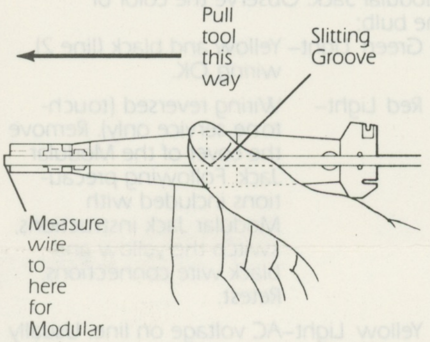

Figure 4

Step 2

Move the Tool to the End of the Wire

With one hand, grip the wire leading off the "staple holder" end of the tool. With the other hand, move the tool toward the end of the wire. The wire jacket will slit.

Step 3

Expose the Wires

Peel out the color-coded wires from inside the slit wire jacket. Use scissors to cut off the slit portion of the wire jacket.

To Hold and Insert Staples

Step 1

Place Staple and Position the Tool

Place a staple in the slot in the end of the Telephone Line Tester with Wire Slitter. (Figure 5.) Place the groove on the underside of the tool onto the telephone wire.

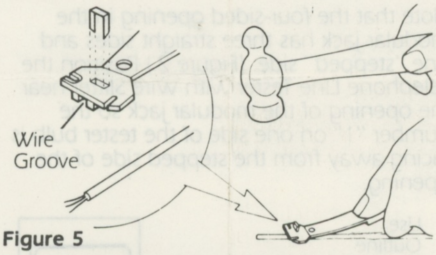

Figure 5

Step 2

Insert Staple

Using a hammer, tap the staple into the mounting surface. Remove the tool and finish hammering, being careful not to puncture the wire.

To Remove Breakout Tabs

Step 1

Place Tab Remover

Fit the tab remover slot onto the selected breakout tab. (Figure 6.) (Breakout tabs are found along the edges of Modular Jack and Wire Junction products and, when removed, provide a passageway for Telephone Wire.)

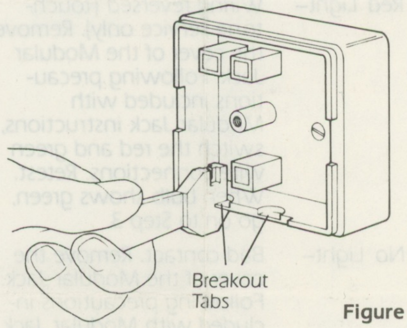

Figure 6

Step 2

Tab Removal

Using the tool, bend the tab back and forth until you can remove it.

To Help Guide Wires into Slots

Step 1

Position Wire in Slot

For Do-It-Yourself products that require wires to be inserted into slots, the Telephone Line Tester with Wire Slitter provides a wire guide for accurate placement. First place the wire into its appropriate slot with your finger. (Figure 7.)

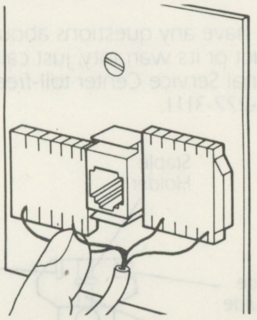

Figure 7

Step 2

Press Wire into Place

Using the tool's wire guide, press the wire snugly into its slot.

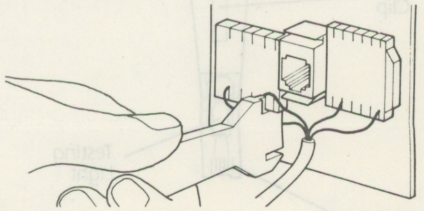

Figure 8

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